

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2014 Levee Inspection Results

Reclamation District No. 0501 Ryer Island

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 0501 Ryer Island

Waterway			Bank	Unit Miles
Unit No. 01 Steamboat Slough			Right	6.76
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/02/2014 - 04/02/2014			
DWR Inspector	Herman Phillips			
Accompanied By	Niclas Zepeda RD 501			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start		Rating **	M	Issue No.	57
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_RD0501_01_s _ 2012_57				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	58
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_RD0501_01_s _ 2012_58				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	59
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_RD0501_01_s _ 2012_59				
Action/Comments					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	0.02	Rating **	M	Issue No.	145
LM End	0.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254088 °	38.254023 °
				-121.601730 °	-121.601850 °
DWR ID	DWR_RD0501_01_f_2013_145				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : phillips_s_20140527_05970.jpg



RD 501 Looking downstream from levee mile 0.02 waterside.

LM Start	0.02	Rating **	U	Issue No.	120
LM End	0.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254089 °	38.254023 °
				-121.601732 °	-121.601853 °
DWR ID	DWR_RD0501_01_f_2013_120				
Action/Comments					
Trees / Woody Vegetation					
Inspector Comments: This growth of fig trees should be removed from landward toe of levee and slope, visibility is completely blocked.					

Photo 1 of 1 : phillips_s_20140527_05971.jpg



Unsatisfactory woody growth blocking the visibility of the levee section.

LM Start	0.03	Rating **	M	Issue No.	2
LM End	0.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254075 °	38.254025 °
				-121.601838 °	-121.601928 °
DWR ID	DWR_RD0501_01_s_2012_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	0.04	Rating **	M	Issue No.	4
LM End	0.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.230288 °	-121.603781 °
				38.253518 °	-121.602252 °
DWR ID	DWR_RD0501_01_s _ 2012_4				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.04	Rating **	M	Issue No.	1
LM End	0.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.253853 °	38.250719 °
				-121.601921 °	-121.603080 °
DWR ID	DWR_RD0501_01_s _ 2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.04	Rating **	M	Issue No.	74
LM End	0.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.253862 °	38.253862 °
				-121.602069 °	-121.602069 °
DWR ID	DWR_RD0501_01_f _ 2013_74				
Action/Comments					
Tree or limb					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

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A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	0.05	Rating **	M	Issue No.	121
LM End	0.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.253773 °	38.251866 °
				-121.602147 °	-121.603089 °
DWR ID	DWR_RD0501_01_f_2013_121				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.13	Rating **	M	Issue No.	67
LM End	0.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.252658 °	38.249205 °
				-121.602835 °	-121.603128 °
DWR ID	DWR_RD0501_01_s_2012_67				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

*** Location**
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WS : Water Side
CR : Crown

**** Rating**
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	0.17	Rating **	M	Issue No.	44
LM End	0.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.252140 °	38.252140 °
				-121.602902 °	-121.602902 °
DWR ID	DWR_RD0501_01_s_2014_44				
Action/Comments					
Inspector Comments: FS_ID:21208					
EP_NO: 4581					
Repair Type:					
Crossing Status:					
UCIP Comments: Damage present from leaky pipe. Signs of repair work on crown, however, no permit found to document recent damage to levee or repair work. New PVC pipe has been sleeved through the existing 6-inch pipe. Unable to determine if crossing is still in use, if not, crossings needs to be removed according to CVFPB Title 23 requirements.					
FIELD_STRUCT_DESC: 6-inch steel pipe through the levee, 2.5 feet below the crown. 2-inch steel electrical conduit through levee. Cutoff wall around pipe at center of levee. Pump and gate valve in pump structure on waterward slope. Service pole on landward slope. Pipe exposed on both slopes. (Permit No. 4581-1964)					
FS Date: 6/4/2013					

Photo 1 of 1 : UCIP_2484.jpg



Overview of waterward side--pump, abandoned pipe section, and conduit.

LM Start	0.25	Rating **	M	Issue No.	123
LM End	1.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.250999 °	38.238869 °
				-121.603126 °	-121.604356 °
DWR ID	DWR_RD0501_01_f_2013_123				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	0.30	Rating **	M	Issue No.	6
LM End	0.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.250261 °	38.249562 °
				-121.603126 °	-121.603105 °
DWR ID	DWR_RD0501_01_s _ 2012_6				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.38	Rating **	M	Issue No.	45
LM End	0.38	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.249185 °	38.249185 °
				-121.603036 °	-121.603036 °
DWR ID	DWR_RD0501_01_s _ 2014_45				
Action/Comments					
Inspector Comments: FS_ID:18503					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of leaks through the slope. Recommend removing vegetation along pipe alignment for reinspection. Need to contact the owner for maintenance and to obtain permit number issued for crossing.					
FIELD_STRUCT_DESC: 20-inch and 2.5-inch pipes through the levee, both 7.8 feet below the crown. Pump in pump house on landward slope. Pipe exposed along waterward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.40).					
FS Date: 6/4/2013					

Photo 1 of 1 : UCIP_1697.jpg



Overview of landside. Pump house and power pole visible on landward side.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	0.41	Rating **	M	Issue No.	124
LM End	0.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.248744 °	38.248331 °
				-121.603034 °	-121.602990 °
DWR ID	DWR_RD0501_01_f_2013_124				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.43	Rating **	M	Issue No.	46
LM End	0.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.248519 °	38.248519 °
				-121.602972 °	-121.602972 °
DWR ID	DWR_RD0501_01_s_2014_46				
Action/Comments					
Inspector Comments: FS_ID:18504					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to contact owner and ask for emergency contact information and permit number. 6/21/13 Contacted Gas Control Division under the emergency contact No. 1-877-723-3344. Message has been forward to Brian Habersack at 916-859-4700, email: bhabersack@gasbiz.com.					
FIELD_STRUCT_DESC: Gas line crosses the levee at an angle. Markers visible on both shoulders.					
FS Date: 6/4/2013					

Photo 1 of 1 : UCIP_1700.jpg



Overview of landside at crossing. Marker on shoulder.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	0.48	Rating **	M	Issue No.	72
LM End	0.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.247797 °	38.247797 °
				-121.602973 °	-121.602973 °
DWR ID	DWR_RD0501_01_s _ 2014_72				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.51	Rating **	M	Issue No.	963
LM End	0.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.247310 °	38.247310 °
				121.602876 °	-121.602876 °
DWR ID	DWR_RD0501_01_s _ 2012_963				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.55	Rating **	M	Issue No.	7
LM End	0.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.246798 °	38.246798 °
				-121.602872 °	-121.602872 °
DWR ID	DWR_RD0501_01_s _ 2012_7				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	0.62	Rating **	M	Issue No.	125
LM End	0.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.245688 °	38.245315 °
				-121.602863 °	-121.602876 °
DWR ID	DWR_RD0501_01_f_2013_125				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.66	Rating **	M	Issue No.	18
LM End	0.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.245010 °	38.244523 °
				-121.602955 °	-121.602940 °
DWR ID	DWR_RD0501_01_s_2012_18				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.67	Rating **	M	Issue No.	967
LM End	0.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.244962 °	38.244962 °
				-121.602950 °	-121.602950 °
DWR ID	DWR_RD0501_01_s_2012_967				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	0.68	Rating **	M	Issue No.	8
LM End	0.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.244926 °	38.244541 °
				-121.602901 °	-121.602938 °
DWR ID	DWR_RD0501_01_s _ 2012_8				
Action/Comments					
Landscaping					

No Photos

LM Start	0.69	Rating **	M	Issue No.	71
LM End	1.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.244667 °	38.237470 °
				-121.602967 °	-121.604418 °
DWR ID	DWR_RD0501_01_s _ 2012_71				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	0.70	Rating **	M	Issue No.	10
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.244540 °	38.243835 °
				-121.602937 °	-121.603057 °
DWR ID	DWR_RD0501_01_s _ 2012_10				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	0.75	Rating **	U	Issue No.	9
LM End	0.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.243835 °	38.241204 °
				-121.603057 °	-121.603568 °
DWR ID	DWR_RD0501_01_s _ 2012_9				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: There is wild berries growing on levee slope and toe that blocks the view of the levee. The district has purchased a slope mower and they are in the process of mowing the slopes.					

Photo 1 of 1 : phillips_s_20140527_05962.jpg



Wild growth of unwanted berry vines on the landside ward slope and toe blocking view.

LM Start	1.00	Rating **	M	Issue No.	969
LM End	1.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.240333 °	38.237953 °
				-121.603863 °	-121.604482 °
DWR ID	DWR_RD0501_01_s _ 2012_969				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.00	Rating **	M	Issue No.	60
LM End	2.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.240296 °	38.224454 °
				-121.603884 °	-121.603683 °
DWR ID	DWR_RD0501_01_f _ 2012_60				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	1.01	Rating **	U	Issue No.	128
LM End	1.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.240150 °	38.240006 °
				-121.603965 °	-121.603993 °
DWR ID	DWR_RD0501_01_f_2013_128				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : phillips_s_20140527_05961.jpg



Unsatisfactory woody tree growth blocking the visibility of waterside levee section.

LM Start	1.02	Rating **	U	Issue No.	126
LM End	1.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.240061 °	38.240061 °
				-121.603925 °	-121.603925 °
DWR ID	DWR_RD0501_01_f_2013_126				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : phillips_s_20140527_05963.jpg



Looking downstream from levee mile 1.02 landside slope and toe unwanted berry vines.

LM Start	1.11	Rating **	M	Issue No.	129
LM End	1.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238762 °	38.238545 °
				-121.604369 °	-121.604409 °
DWR ID	DWR_RD0501_01_f_2013_129				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	1.21	Rating **	M	Issue No.	130
LM End	1.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.237241 °	38.228784 °
				-121.604435 °	-121.604123 °
DWR ID	DWR_RD0501_01_f_2013_130				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.22	Rating **	M	Issue No.	12
LM End	1.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.237268 °	38.228141 °
				-121.604424 °	-121.604157 °
DWR ID	DWR_RD0501_01_s_2012_12				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	1.55	Rating **	U	Issue No.	13
LM End	1.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.232531 °	38.229930 °
				-121.603485 °	-121.603892 °
DWR ID	DWR_RD0501_01_s_2012_13				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Wild growth of berries on slope and toe.					

Photo 1 of 1 : phillips_s_20140306_820.JPG



Looking downstream landward slope and toe overgrown with wild berries and horsetail.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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+ Issue Type
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	1.84	Rating **	M	Issue No.	73
LM End	1.84	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.228399 °	38.228399 °
				-121.604134 °	-121.604134 °
DWR ID	DWR_RD0501_01_s_2014_73				
Action/Comments					
Pipe					
Inspector Comments: Pipe has been replaced but the job is not complete. 4-02-2014.					

No Photos

LM Start	1.92	Rating **	M	Issue No.	131
LM End	2.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.227247 °	38.223326 °
				-121.604157 °	-121.603497 °
DWR ID	DWR_RD0501_01_f_2013_131				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.04	Rating **	M	Issue No.	26
LM End	2.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.225500 °	38.224738 °
				-121.603887 °	-121.603750 °
DWR ID	DWR_RD0501_01_s_2012_26				
Action/Comments					
Note and monitor erosion site.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
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U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	2.24	Rating **	M	Issue No.	27
LM End	2.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.222758 °	38.222030 °
				-121.603348 °	-121.603303 °
DWR ID	DWR_RD0501_01_s_2012_27				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.32	Rating **	M	Issue No.	133
LM End	2.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.221606 °	38.221529 °
				-121.603429 °	-121.603436 °
DWR ID	DWR_RD0501_01_f_2013_133				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.34	Rating **	M	Issue No.	62
LM End	2.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.221257 °	38.221257 °
				-121.603526 °	-121.603526 °
DWR ID	DWR_RD0501_01_f_2012_62				
Action/Comments					
Tree or limb					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
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U : Unacceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	2.35	Rating **	M	Issue No.	75
LM End	2.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.221206 °	38.221206 °
				-121.603572 °	-121.603572 °
DWR ID	DWR_RD0501_01_s _ 2014_75				
Action/Comments					
Tree or limb					

No Photos

LM Start	2.38	Rating **	M	Issue No.	31
LM End	3.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.220732 °	38.202810 °
				-121.603734 °	-121.613523 °
DWR ID	DWR_RD0501_01_s _ 2012_31				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.44	Rating **	M	Issue No.	14
LM End	4.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.219976 °	38.197748 °
				-121.604168 °	-121.616084 °
DWR ID	DWR_RD0501_01_s _ 2012_14				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location
LS : Land Side
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CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	2.55	Rating **	M	Issue No.	32
LM End	2.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.218470 °	38.217875 °
				-121.605105 °	-121.605532 °
DWR ID	DWR_RD0501_01_s _ 2012_32				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.67	Rating **	M	Issue No.	34
LM End	2.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.217030 °	38.216408 °
				-121.606303 °	-121.607057 °
DWR ID	DWR_RD0501_01_s _ 2012_34				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.71	Rating **	M	Issue No.	134
LM End	2.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.216709 °	38.216425 °
				-121.606735 °	-121.607087 °
DWR ID	DWR_RD0501_01_s _ 2014_134				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location
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WS : Water Side
CR : Crown

** Rating
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+ Issue Type
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	2.83	Rating **	M	Issue No.	52
LM End	2.83	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.215351 °	38.215351 °
				-121.608013 °	-121.608013 °
DWR ID	DWR_RD0501_01_s _ 2014_52				
Action/Comments					

Inspector Comments: FS_ID:19643

EP_NO: 2742

Repair Type:

Crossing Status:

UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes.

Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Additional notes: pump was running during inspection, 16-inch pipe section abandoned on landward side, view of standpipe and support structure on waterward side does not match structure description--need to determine if crossing has been altered.

FIELD_STRUCT_DESC: 16-inch drainpipe through the levee, 3.6 feet below the crown. Cutoff walls around pipe at center of levee. Siphon breaker on apex of pipe at landward shoulder. Pump house on landward shoulder. Pipe discharges into 48-inch pipe with screw gate on landward side. (Permit No. 2742-1959). Repairs made to pipe and a portion replaced, from landward shoulder to discharge end on waterward side, under Permit No. 15380 (1999). Rock revetment placed on waterward slope. Revegetation in progress on waterside.
FS Date: 6/4/2013

Photo 1 of 1 : UCIP_1907.jpg



Pipeline intake on waterside photo taken from 1000 feet downstream looking upstream.

LM Start	2.84	Rating **	M	Issue No.	36
LM End	3.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.215112 °	38.208925 °
				-121.608273 °	-121.611162 °
DWR ID	DWR_RD0501_01_s _ 2012_36				

Remove the wild growth other than native grasses from the levee slopes.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	2.85	Rating **	M	Issue No.	11
LM End	2.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.214838 °	38.214075 °
				-121.608129 °	-121.608750 °
DWR ID					
Action/Comments					
Inspector Comments: 2009 - Rock is starting to unravel, probably from a tree pop-out, hard toe. 2013: No observed changes. [2013 Site ID: STM_18-9_R]					

Photo 1 of 1 : USACE2013A_STM_18-9_R_3.jpg



USACE 2013 Photo #1

LM Start	2.85	Rating **	M	Issue No.	135
LM End	2.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.215085 °	38.214067 °
				-121.608350 °	-121.609094 °
DWR ID	DWR_RD0501_01_f_2013_135				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.92	Rating **	M	Issue No.	37
LM End	2.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.214235 °	38.213547 °
				-121.608993 °	-121.609527 °
DWR ID	DWR_RD0501_01_s_2012_37				
Action/Comments					
Landscaping					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	3.03	Rating **	M	Issue No.	5
LM End	3.18	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.212573 °	38.211596 °
				-121.609760 °	-121.609928 °
DWR ID					
Action/Comments					
Inspector Comments: 2000 - Slow erosion of lower and mid-slope with rock bench at the low water line. 2013: No observed changes. [2013 Site ID: STM_18-8_R]					

Photo 1 of 1 : USACE2013A_STM_18-8_R_5.jpg



USACE 2013 Photo #1

LM Start	3.14	Rating **	M	Issue No.	54
LM End	3.14	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.211361 °	38.211361 °
				-121.610178 °	-121.610178 °
DWR ID	DWR_RD0501_01_s_2014_54				
Action/Comments					
Inspector Comments: FS_ID:19584 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Damage present to pipe (leak)--recommend conducting test to determine integrity of pipe wall (video, pressure, or other test). Additional notes available: 8-inch is leaking on landward side--white sealant and rag used to seal hole, single line crack on the crown of the alignment, pipe through the levee could be bigger than 8-inch unable to confirm. Also found 3-inch steel pipe approximately 7 feet upstream from 8-inch pipe (authorized or unauthorized?). FIELD_STRUCT_DESC: 8-inch steel pipe and 1.5-inch steel electrical conduit through the levee, both 2.0 feet below the crown. Gate valve on waterward side. Cutoff wall around pipe and conduit at center of levee. Siphon breaker on apex of pipe at landside shoulder. Pump on piling structure on waterward slope installed under Permit No. 9880 (1975). Meter pole at landward toe. Pipe exposed along landward slope. Discharge filter on landward slope installed under Permit No. 9880-B (1975). FS Date: 6/4/2013					

Photo 1 of 1 : UCIP_1866.jpg



Station details--gate valve, air vent, and other appurtenances.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	3.20	Rating **	U	Issue No.	137
LM End	3.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.210508 °	38.209531 °
				-121.610468 °	-121.610905 °
DWR ID	DWR_RD0501_01_f_2013_137				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : phillips_s_20140527_05964.jpg



Woody tree growth on landward slope and toe.

LM Start	3.20	Rating **	M	Issue No.	15
LM End	3.24	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210429 °	38.209974 °
				-121.610503 °	-121.610703 °
DWR ID	DWR_RD0501_01_s_2012_15				
Action/Comments					
Landscaping					

No Photos

LM Start	3.25	Rating **	U	Issue No.	63
LM End	3.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.209811 °	38.209713 °
				-121.610813 °	-121.610882 °
DWR ID	DWR_RD0501_01_f_2012_63				
Action/Comments					
Material					
Inspector Comments: There is stock pile of equipment and materials on the levee section that needs to be removed off the levee.					

Photo 1 of 1 : phillips_s_20140527_05965.jpg



Equipment and other material on slope and toe of levee section.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	3.27	Rating **	M	Issue No.	41
LM End	3.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.209548 °	38.208632 °
				-121.610882 °	-121.611275 °
DWR ID	DWR_RD0501_01_s _ 2012_41				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	3.34	Rating **	U	Issue No.	43
LM End	3.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.208468 °	38.208292 °
				-121.611348 °	-121.611437 °
DWR ID	DWR_RD0501_01_s _ 2012_43				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : phillips_s_20140527_05969.jpg



Woody tree growth on levee slope and shoulder of the landside.

LM Start	3.35	Rating **	M	Issue No.	77
LM End	3.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.208390 °	38.208390 °
				-121.611440 °	-121.611440 °
DWR ID	DWR_RD0501_01_s _ 2014_77				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	3.48	Rating **	M	Issue No.	61
LM End	3.48	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.206719 °	38.206719 °
				-121.612098 °	-121.612098 °
DWR ID	DWR_RD0501_01_s_2014_61				
Action/Comments					
Inspector Comments: FS_ID:18624					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe was running during inspection. Crack on crown surface could be associated with pipe vibration during operation.					
Recommend the following: determine owner of crossing, ask owner to clear vegetation along pipe alignment, and obtain maintenance records for crossing.					
FIELD_STRUCT_DESC: 20-inch pipe through the levee, 2.2 feet below the crown. 1.5-inch electrical conduit along side 20 inch pipe. Pump on platform on waterward side. Walkway present on waterward side. Stand pipe located on landward toe. Pipe exposed along both slopes.					
(USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.70).					
FS Date: 6/4/2013					

Photo 1 of 1 : UCIP_1707.jpg



Overview of landward slope--siphon breaker on landward shoulder and stand pipe on landward toe.

LM Start	3.49	Rating **	U	Issue No.	140
LM End	3.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.206494 °	38.205020 °
				-121.612244 °	-121.612824 °
DWR ID	DWR_RD0501_01_f_2013_140				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : phillips_s_20140527_05966.jpg



Looking back upstream from landside slope wild growth of black locus trees on the slope and toe.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	3.49	Rating **	M	Issue No.	139
LM End	3.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.206494 °	38.202098 °
				-121.612244 °	-121.613783 °
DWR ID	DWR_RD0501_01_f_2013_139				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	3.60	Rating **	M	Issue No.	141
LM End	3.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.205014 °	38.202066 °
				-121.612821 °	-121.613793 °
DWR ID	DWR_RD0501_01_f_2013_141				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	3.60	Rating **	M	Issue No.	47
LM End	3.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.204983 °	38.204227 °
				-121.612868 °	-121.613045 °
DWR ID	DWR_RD0501_01_s_2012_47				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	3.74	Rating **	M	Issue No.	49
LM End	3.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.202997 °	38.202730 °
				-121.613447 °	-121.613520 °
DWR ID	DWR_RD0501_01_s _ 2012_49				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	3.76	Rating **	M	Issue No.	50
LM End	3.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.202820 °	38.202197 °
				-121.613498 °	-121.613732 °
DWR ID	DWR_RD0501_01_s _ 2012_50				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	3.76	Rating **	M	Issue No.	51
LM End	3.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.202812 °	38.202213 °
				-121.613495 °	-121.613733 °
DWR ID	DWR_RD0501_01_s _ 2012_51				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	3.76	Rating **	M	Issue No.	79
LM End	4.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.202818 °	38.197492 °
				-121.613545 °	-121.616342 °
DWR ID	DWR_RD0501_01_s _ 2012_79				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	3.77	Rating **	M	Issue No.	974
LM End	4.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.202657 °	38.197778 °
				-121.613553 °	-121.616080 °
DWR ID	DWR_RD0501_01_s _ 2012_974				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	3.77	Rating **	U	Issue No.	142
LM End	3.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.202627 °	38.202625 °
				-121.613587 °	-121.613590 °
DWR ID	DWR_RD0501_01_f _ 2013_142				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : phillips_s_20140527_05967.jpg



Unsatisfactory woody growth on the landward slope and shoulder blocking view of levee section.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	3.96	Rating **	U	Issue No.	136
LM End	4.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.200078 °	38.199154 °
				-121.614578 °	-121.615133 °
DWR ID	DWR_RD0501_01_f _ 2013_136				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : phillips_s_20140527_05968.jpg



Woody growth on landside slope looking downstream from levee mile 3.96 to 4.03.

LM Start	4.18	Rating **	M	Issue No.	17
LM End	4.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.197277 °	38.196657 °
				-121.616550 °	-121.617286 °
DWR ID	DWR_RD0501_01_s _ 2012_17				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	4.18	Rating **	M	Issue No.	29
LM End	4.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.197254 °	38.195576 °
				-121.616522 °	-121.619088 °
DWR ID	DWR_RD0501_01_s _ 2012_29				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	4.29	Rating **	M	Issue No.	66
LM End	4.29	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.196177 °	38.196177 °
				-121.617899 °	-121.617899 °
DWR ID	DWR_RD0501_01_s _ 2014_66				
Action/Comments					
Inspector Comments: FS_ID:19644					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe section was altered/modified through levee crown. 12-inch pipe sleeved through existing pipe. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Additional Notes: electrical conduit is disconnected on landside. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Also need to contact owner to obtain maintenance records for crossing--need permit authorizing modifications.					
FIELD_STRUCT_DESC: 14-inch pipe through the levee, 3.2 feet below the crown. 12-inch pipe sleeved through existing 14-inch pipe and annular space grouted. 1.5-inch electrical conduit runs parrallel along 14-inch pipe. Pump on pile structure in channel. Walkway to pump. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.30).					
FS Date: 6/4/2013					

Photo 1 of 1 : UCIP_1909.jpg



14-inch steel pipe on waterward side.

LM Start	4.41	Rating **	M	Issue No.	19
LM End	4.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.195332 °	38.195310 °
				-121.619749 °	-121.619801 °
DWR ID	DWR_RD0501_01_s _ 2012_19				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	4.98	Rating **	M	Issue No.	977
LM End	4.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.195057 °	38.195068 °
				-121.629965 °	-121.630173 °
DWR ID	DWR_RD0501_01_s _ 2012_977				
Action/Comments					
Equipment					

No Photos

LM Start	5.09	Rating **	A/W	Issue No.	144
LM End	5.14	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.195012 °	38.194768 °
				-121.631897 °	-121.632778 °
DWR ID	DWR_RD0501_01_f _ 2013_144				
Action/Comments					
Environmental Requirements.					

No Photos

LM Start	5.10	Rating **	A/W	Issue No.	64
LM End	5.18	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.194972 °	38.194563 °
				-121.632063 °	-121.633395 °
DWR ID	DWR_RD0501_01_s _ 2014_64				
Action/Comments					
Environmental Requirements.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	5.30	Rating **	M	Issue No.	65
LM End	5.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.193805 °	38.192457 °
				-121.635391 °	-121.637997 °
DWR ID	DWR_RD0501_01_f _ 2012_65				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	5.36	Rating **	M	Issue No.	25
LM End	5.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.193346 °	38.193346 °
				-121.636419 °	-121.636419 °
DWR ID	DWR_RD0501_01_s _ 2012_25				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	5.42	Rating **	M	Issue No.	978
LM End	5.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.192878 °	38.192588 °
				-121.637332 °	-121.637802 °
DWR ID	DWR_RD0501_01_f _ 2013_978				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

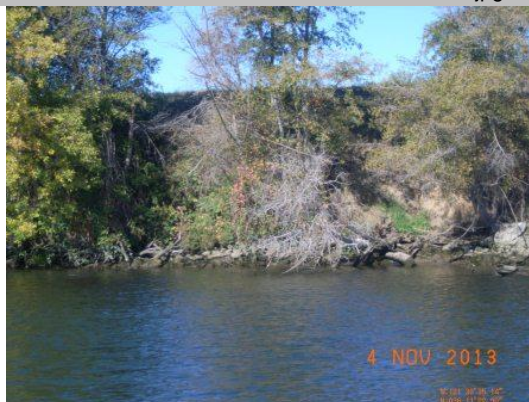
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	5.75	Rating **	M	Issue No.	24
LM End	5.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.190590 °	38.190246 °
				-121.642468 °	-121.643164 °
DWR ID	DWR_RD0501_01_s _ 2012_24				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	5.75	Rating **	M	Issue No.	3
LM End	5.75	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.189311 °	38.190001 °
				-121.643917 °	-121.643160 °
DWR ID					
Action/Comments					
Inspector Comments: 2008 - Overstepped levee section with multiple small pockets of erosion 10 - 20 ft wide. 2013: Site has fresh erosion and taller vertical sections. [2013 Site ID: STM_15-7_R]					

Photo 1 of 1 : USACE2013A_STM_15-7_R_5.jpg



USACE 2013 Photo #1

LM Start	5.92	Rating **	M	Issue No.	20
LM End	6.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.188929 °	38.185941 °
				-121.644645 °	-121.648359 °
DWR ID	DWR_RD0501_01_s _ 2012_20				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	6.53	Rating **	M	Issue No.	21
LM End	6.73	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.184540 °	38.183924 °
				-121.653865 °	-121.657321 °
DWR ID	DWR_RD0501_01_s _ 2012_21				
Action/Comments					
Fence					

No Photos

LM Start	6.53	Rating **	M	Issue No.	22
LM End	6.73	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.184539 °	38.183923 °
				-121.653865 °	-121.657321 °
DWR ID	DWR_RD0501_01_s _ 2012_22				
Action/Comments					
Landscaping					

No Photos

LM Start	6.63	Rating **	M	Issue No.	23
LM End	6.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.184136 °	38.184040 °
				-121.655762 °	-121.656291 °
DWR ID	DWR_RD0501_01_s _ 2012_23				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/02/2014 04/02/2014	Herman Phillips

LM Start	6.70	Rating **	M	Issue No.	68
LM End	6.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.183961 °	38.183961 °
				-121.656860 °	-121.656860 °
DWR ID	DWR_RD0501_01_s_2014_68				
Action/Comments					
Inspector Comments: FS_ID:19645					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. If structure is trully abandoned--need to find owner to properly abandon crossing.					
FIELD_STRUCT_DESC: Abandoned 16-inch pipe through the levee, 6.5 feet below the crown. Siphon breaker and service pole on landward shoulder. Electrical box on landside toe. Pump on pile stucture in channel.					
FS Date: 6/4/2013					

Photo 1 of 1 : UCIP_1914.jpg



Electrical box visible on landward toe.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 0501 Ryer Island

Waterway			Bank	Unit Miles
Unit No. 02 Cache Slough			Left	3.57
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/02/2014 - 04/02/2014			
DWR Inspector	Herman Phillips			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.57	04/02/2014 04/02/2014	Herman Phillips

LM Start	0.00	Rating **	M	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.188260 °	38.188260 °
				-121.648701 °	-121.648700 °
DWR ID	DWR_RD0501_02_s _ 2012_21				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : phillips_s_20140527_05960.jpg



Looking down stream from levee mile 0.00 landside slope.

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.08	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.184050 °	38.185178 °
				-121.657713 °	-121.658515 °
DWR ID	DWR_RD0501_02_s _ 2012_2				
Action/Comments					
Fence					

No Photos

LM Start	0.49	Rating **	M	Issue No.	9
LM End	3.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.190509 °	38.227237 °
				-121.656805 °	-121.673078 °
DWR ID	DWR_RD0501_02_s _ 2012_9				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.57	04/02/2014 04/02/2014	Herman Phillips

LM Start	0.53	Rating **	M	Issue No.	11
LM End	0.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.191117 °	38.191170 °
				-121.656468 °	-121.656437 °
DWR ID	DWR_RD0501_02_s_2012_11				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	0.56	Rating **	M	Issue No.	13
LM End	0.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.191452 °	38.191452 °
				-121.656188 °	-121.656188 °
DWR ID	DWR_RD0501_02_s_2014_13				
Action/Comments					
Inspector Comments: FS_ID:19646					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Need to determine owner and purpose for crossing.					
FIELD_STRUCT_DESC: 10-inch pipe sleeved through a 12-inch pipe through the levee, 5.0 feet below the crown. Pump on waterward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.60).					
FS Date: 6/7/2013					

Photo 1 of 1 : UCIP_1918.jpg



Overview of landward side.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.57	04/02/2014 04/02/2014	Herman Phillips

LM Start	0.86	Rating **	M	Issue No.	14
LM End	0.86	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.195590 °	38.195590 °
				-121.655163 °	-121.655163 °
DWR ID	DWR_RD0501_02_s_2014_14				
Action/Comments					
Inspector Comments: FS_ID:19585					
EP_NO: 3703					
Repair Type:					
Crossing Status:					
UCIP Comments: Deteriorated pipe with holes present at intake. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtances. If crossing is not in use--owner must remove pipe per CVFPB Title 23 requirements. Need to coordinate with DWR Inspector and CVFPB.					
FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 1.7 feet below the crown. Siphon breaker on apex of pipe at landward shoulder. Pipe discharges into concrete sump near landward toe. Pipe is exposed along landward slope. 8-inch pipes are approximately 1 foot apart on landward side. (Permit No. 3703-1961)					
FS Date: 6/7/2013					

Photo 1 of 1 : UCIP_1873.jpg



8-inch pipes approximately 1 foot apart located on landward slope.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.57	04/02/2014 04/02/2014	Herman Phillips

LM Start	0.86	Rating **	M	Issue No.	15
LM End	0.86	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.195587 °	38.195587 °
				-121.655162 °	-121.655162 °
DWR ID	DWR_RD0501_02_s _ 2014_15				
Action/Comments					
Inspector Comments: FS_ID:19586					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Reason for an Urgent Priority is due to adjacent crossing--adjacent crossing has holes present and is was installed in the 1960s. Our records show this pipe was installed before 1955. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. If crossing is no longer in use--owner must remove crossing per CVFPB Title 23 requirements. Need to coordinate with DWR Inspector and CVFPB. Need to determine condition of pipe--request maintenance records from owner once found--this crossing could be capped and grouted--NEED RECORDS.					
FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 1.7 feet below the crown. Siphon breaker on apex of pipe at landward shoulder. Pipe discharges into concrete sump near landward toe. Pipe is exposed along landward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.90). Section of pipe, between both shoulders, was removed and replaced with a 10-inch steel pipe under Permit No. 1902 (1959).					
FS Date: 6/7/2013					

No Photos

LM Start	1.03	Rating **	M	Issue No.	10
LM End	1.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.198153 °	38.198153 °
				-121.655614 °	-121.655614 °
DWR ID	DWR_RD0501_02_s _ 2012_10				
Action/Comments					
Note and monitor erosion site. Inspector Comments: This erosion has not been repaired prior to the fall inspection.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.57	04/02/2014 04/02/2014	Herman Phillips

LM Start	1.07	Rating **	M	Issue No.	8
LM End	1.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.198602 °	38.199148 °
				-121.655605 °	-121.655490 °
DWR ID	DWR_RD0501_02_s_2012_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.13	Rating **	M	Issue No.	5
LM End	1.13	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.199128 °	38.200146 °
				-121.655881 °	-121.655638 °
DWR ID					
Action/Comments					
Inspector Comments: 2005 - Large vertical sections due to wave wash. New stone dumped on the bank with exposed geotextile. Cohesive toe has thin weak stratigraphic unit that is washing out. 2006 - Partially repaired, but 100 ft in the middle of the reach has exposed filter fabric and stone riprap is gone. 2010 - Site extended downstream to include new erosion pocket. 2013: No observed changes. [2013 Site ID: CHS_15-9_L]					

Photo 1 of 1 : USACE2013A_CHS_15-9_L_1.jpg



USACE 2013 Photo #1

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.57	04/02/2014 04/02/2014	Herman Phillips

LM Start	1.15	Rating **	M	Issue No.	17
LM End	1.15	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.199803 °	38.199803 °
				-121.655545 °	-121.655545 °
DWR ID	DWR_RD0501_02_s _ 2014_17				
Action/Comments					

Action/Comments

Inspector Comments: FS_ID:19647

EP_NO: 2817

Repair Type:

Crossing Status:

UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Waterward berm is being scoured.

FIELD_STRUCT_DESC: 20-inch steel drainpipe sleeved through a 24-inch steel pipe through the levee, 9.0 feet below the crown. Flap gate on waterward end. Two cutoff collars around the pipe at both shoulders. Pipe exposed along both slopes. Rock revetment on waterward slope. Berm on waterward side is over 20 feet. (Permit No. 2817-1959)

FS Date: 6/7/2013

Photo 1 of 1 : UCIP_1925.jpg



Waterward side--2-24 inch pipe inlets.

LM Start	1.16	Rating **	M	Issue No.	19
LM End	1.16	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.199824 °	38.199824 °
				-121.655497 °	-121.655497 °
DWR ID	DWR_RD0501_02_s _ 2014_19				
Action/Comments					

Action/Comments

Inspector Comments: FS_ID:19648

EP_NO: 14491

Repair Type:

Crossing Status:

UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Waterward berm is being scoured.

FIELD_STRUCT_DESC: 24-inch steel drainpipe through the levee, 4.5 feet below the crown. Cutoff wall around pipe at center of levee. Siphon breaker on apex of pipe at waterward shoulder. Pump on landward side. (Permit No. 14491-1986)

FS Date: 6/7/2013

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.57	04/02/2014 04/02/2014	Herman Phillips

LM Start	1.51	Rating **	M	Issue No.	1
LM End	2.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.204957 °	38.216130 °
				-121.655087 °	-121.667686 °
DWR ID	DWR_RD0501_02_f_2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.67	Rating **	U	Issue No.	76
LM End	2.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.209213 °	38.213214 °
				-121.656992 °	-121.664813 °
DWR ID	DWR_RD0501_02_f_2013_76				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : phillips_s_20140527_05959.jpg



Tall weeds on landside slope and toe of levee section looking back upstream from levee mile 2.43 to 1.67.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.57	04/02/2014 04/02/2014	Herman Phillips

LM Start	1.70	Rating **	M	Issue No.	20
LM End	1.70	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.207433 °	38.207433 °
				-121.656299 °	-121.656299 °
DWR ID	DWR_RD0501_02_s_2014_20				
Action/Comments					
Inspector Comments: FS_ID:19649 EP_NO: 13520 Repair Type: Crossing Status: UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Need to update owner's name. Owner needs to be informed about the vegetation clearance required for proper inspection. FIELD_STRUCT_DESC: 18-inch steel pipe through the levee, 3.4 feet below the crown. Steel cutoff wall around pipe at center of levee. Siphon breaker on apex of pipe on landward shoulder. Pipe extends from sump off of landward toe. Pipe exposed along waterward slope. Rock revetment on waterward slope. (Permit No. 13520-1982) FS Date: 6/7/2013					

Photo 1 of 1 : UCIP_1936.jpg



Photo of pipe looking from berm edge to river edge.

LM Start	1.75	Rating **	M	Issue No.	75
LM End	1.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.208143 °	38.209209 °
				-121.655911 °	-121.656697 °
DWR ID	DWR_RD0501_02_f_2013_75				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.57	04/02/2014 04/02/2014	Herman Phillips

LM Start	1.81	Rating **	M	Issue No.	22
LM End	1.81	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.208907 °	38.208907 °
				-121.655507 °	-121.655507 °
DWR ID	DWR_RD0501_02_s_2014_22				
Action/Comments					
Inspector Comments: FS_ID:19650					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Stacey Boyd, LMA superintendent for RD0501, confirmed the removal and replacement of existing crossing under new permit no. 18811. New crossing will be a 30-inch diameter discharge pipe above the design flood plane. Construction will start soon. Update record once the project is completed. Dense vegetation on both waterside and landside. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 42-inch steel pipe through the levee, 6.5 feet below the crown. Siphon breaker on waterward slope. Pump on the landward side. Pipe exposed along both slopes. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.0).					
FS Date: 6/7/2013					

Photo 1 of 1 : UCIP_1941.jpg



One 42-inch steel pile with siphon break on waterside slope.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.57	04/02/2014 04/02/2014	Herman Phillips

LM Start	1.82	Rating **	M	Issue No.	23
LM End	1.82	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.208907 °	38.208907 °
				-121.655557 °	-121.655557 °
DWR ID	DWR_RD0501_02_s _ 2014_23				
Action/Comments					
Inspector Comments: FS_ID:19653					
EP_NO: 15477					
Repair Type:					
Crossing Status:					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 2 of 2: 36-inch steel pipe through the levee, 7.0 feet below the crown. Siphon breaker on waterward shoulder.					
Pumps on landward side. Pipe exposed along both slopes. Pipe supports at levee shoulders, were cutoff walls from pre-existing pipe (Permit No. 15477-1990) Dual 36-inch pipes are approximately 36-inches apart.					
FS Date: 6/7/2013					

No Photos

LM Start	1.82	Rating **	M	Issue No.	24
LM End	1.82	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.209018 °	38.209018 °
				-121.655569 °	-121.655569 °
DWR ID	DWR_RD0501_02_s _ 2014_24				
Action/Comments					
Inspector Comments: FS_ID:19652 EP_NO: 15477 Repair Type: Crossing Status: UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 2 of 2: 36-inch steel pipe through the levee, 7.0 feet below the crown. Siphon breaker on waterward shoulder. Pumps on landward side. Pipe exposed along both slopes. Pipe supports at levee shoulders, were cutoff walls from pre-existing pipe. (Permit No. 15477-1990) Pipes are approximately 36 inches apart. FS Date: 6/7/2013					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.57	04/02/2014 04/02/2014	Herman Phillips

LM Start	1.98	Rating **	M	Issue No.	3
LM End	3.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.226175 °	38.212626 °
				-121.604013 °	-121.609959 °
DWR ID	DWR_RD0501_02_s _ 2012_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.43	Rating **	M	Issue No.	28
LM End	2.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.213169 °	38.213373 °
				-121.664783 °	-121.665090 °
DWR ID	DWR_RD0501_02_s _ 2014_28				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.57	04/02/2014 04/02/2014	Herman Phillips

LM Start	2.45	Rating **	M	Issue No.	25
LM End	2.45	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.213373 °	38.213373 °
				-121.665093 °	-121.665093 °
DWR ID	DWR_RD0501_02_s _ 2014_25				
Action/Comments					

Inspector Comments: FS_ID:19654

EP_NO: N/A

Repair Type:

Crossing Status:

UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.

FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 6.2 feet below the crown. Siphon breaker on waterward shoulder. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.60). Approximately 42 foot section of pipe under levee crown, between both shoulders, was removed and replaced with new 14-inch steel pipe under Permit No. 1902 (1985).

FS Date: 6/7/2013

Photo 1 of 1 : UCIP_1958.jpg



View of exposed section of pipe along landward slope. Distribution box and possible closure device located near landward toe.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.57	04/02/2014 04/02/2014	Herman Phillips

LM Start	2.81	Rating **	M	Issue No.	26
LM End	2.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.217515 °	38.217515 °
				-121.669022 °	-121.669022 °
DWR ID	DWR_RD0501_02_s_2014_26				
Action/Comments					
Inspector Comments: FS_ID:19656					
EP_NO: 4733					
Repair Type:					
Crossing Status:					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 18-inch pipe through the levee, 4.0 feet below the crown. Cutoff wall around pipe at center of levee. Siphon breaker on apex of pipe at landward shoulder. Rock revetment on waterward slope. 16-inch pipe welded to 18-inch pipe near landward shoulder, extends down landward slope. Pipe exposed along both slopes. (Permit No. 4733-1964)					
FS Date: 6/7/2013					

Photo 1 of 1 : UCIP_1962.jpg



Overview of landward side. Pump system located near crown hinge point.

LM Start	2.92	Rating **	M	Issue No.	4
LM End	2.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.218890 °	38.218997 °
				-121.669934 °	-121.669988 °
DWR ID	DWR_RD0501_02_s_2012_4				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.57	04/02/2014 04/02/2014	Herman Phillips

LM Start	2.92	Rating **	M	Issue No.	29
LM End	3.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.218885 °	38.221076 °
				-121.670022 °	-121.671360 °
DWR ID	DWR_RD0501_02_s _ 2014_29				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	3.09	Rating **	M	Issue No.	27
LM End	3.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.221076 °	38.221076 °
				-121.671359 °	-121.671359 °
DWR ID	DWR_RD0501_02_s _ 2014_27				
Action/Comments					
Inspector Comments: FS_ID:19657 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 16-inch pipe sleeved through a 20-inch pipe through the levee, 4.7 feet below the crown. Annular gap grouted. Siphon breaker on landward shoulder. Pipe exposed along both slopes. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.30). The 16-inch pipe was sleeved through pre-existing pipe under Permit No. 2645 (1959). FS Date: 8/22/2013					

Photo 1 of 1 : UCIP_1966.jpg



Overview of landward side, includes view of exposed pipe, pump, and standpipe.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.57	04/02/2014 04/02/2014	Herman Phillips

LM Start	3.43	Rating **	M	Issue No.	16
LM End	3.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.225823 °	38.225823 °
				-121.672837 °	-121.672837 °
DWR ID	DWR_RD0501_02_s _ 2012_16				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	3.44	Rating **	M	Issue No.	18
LM End	3.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.225987 °	38.225987 °
				-121.672870 °	-121.672870 °
DWR ID	DWR_RD0501_02_s _ 2012_18				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 0501 Ryer Island

Waterway			Bank	Unit Miles
Unit No. 03 Miner Slough			Left	7.82
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/02/2014 - 04/02/2014			
DWR Inspector	Herman Phillips			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	0.00	Rating **	U	Issue No.	1
LM End	0.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.227815 °	38.238702 °
				-121.673129 °	-121.664900 °
DWR ID	DWR_RD0501_03_s_2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : phillips_s_20140527_05952.jpg



Unwanted wild growth covering landside slope and toe.

LM Start	0.50	Rating **	U	Issue No.	134
LM End	0.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.233104 °	38.234230 °
				-121.667173 °	-121.665785 °
DWR ID	DWR_RD0501_03_f_2013_134				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : phillips_s_20140527_05953.jpg



Unsatisfactory wild growth on waterside slope blocking visibility of the slope and toe.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	0.65	Rating **	M	Issue No.	5
LM End	0.65	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.234637 °	38.234637 °
				-121.665281 °	-121.665281 °
DWR ID	DWR_RD0501_03_s_2014_5				
Action/Comments					
Inspector Comments: FS_ID:19658					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Pump operating during inspection. Need to determine owner. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 6.3 feet below the crown instead of 16-inch pipe mentioned in O&M. Siphon breaker on landward slope. Pipe exposed on both slopes. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.70).					
FS Date: 6/7/2013					

Photo 1 of 1 : UCIP_1972.jpg



View of landward side--exposed pipe section, pipe support system, power pole, and stand pipe.

LM Start	0.77	Rating **	M	Issue No.	8
LM End	2.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.236416 °	38.257445 °
				-121.665200 °	-121.651440 °
DWR ID	DWR_RD0501_03_f_2012_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	1.38	Rating **	M	Issue No.	7
LM End	1.38	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.242879 °	38.242879 °
				-121.659450 °	-121.659450 °
DWR ID	DWR_RD0501_03_s_2014_7				
Action/Comments					
Inspector Comments: FS_ID:19659					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope on both waterward and landward side. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 8.0 feet below the crown. Siphon breaker on landward slope. Pump on pipe structure in stream. Concrete standpipe at landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.50).					
FS Date: 6/7/2013					

Photo 1 of 1 : UCIP_1979.jpg



Overview of waterward side. Platform visible on waterward side.

LM Start	1.54	Rating **	M	Issue No.	127
LM End	2.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.244662 °	38.253090 °
				-121.657822 °	-121.655613 °
DWR ID	DWR_RD0501_03_f_2013_127				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	1.57	Rating **	M	Issue No.	43
LM End	1.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.246660 °	38.666000 °
				-121.688600 °	-121.690000 °
DWR ID	DWR_RD0501_03_s _ 2012_43				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.69	Rating **	M	Issue No.	13
LM End	7.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.246667 °	38.285653 °
				-121.658611 °	-121.606479 °
DWR ID	DWR_RD0501_03_s _ 2013_13				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	1.93	Rating **	M	Issue No.	10
LM End	1.93	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.249362 °	38.249362 °
				-121.656357 °	-121.656357 °
DWR ID	DWR_RD0501_03_s_2014_10				
Action/Comments					
Inspector Comments: FS_ID:19660					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Authorized or Unauthorized? Need permit authorizing work. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the slope on both waterward and landward side. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 6.3 feet below the crown. Pump, gate valve and switch box on waterward slope.					
FS Date: 6/7/2013					

Photo 1 of 1 : UCIP_1981.jpg



Overview of waterward side. Pipe is completely obstructed by dense vegetation.

LM Start	2.21	Rating **	M	Issue No.	128
LM End	2.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.253373 °	38.257400 °
				-121.655548 °	-121.651536 °
DWR ID	DWR_RD0501_03_f_2013_128				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	2.31	Rating **	M	Issue No.	129
LM End	2.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254353 °	38.257521 °
				-121.654436 °	-121.651515 °
DWR ID	DWR_RD0501_03_f_2013_129				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.57	Rating **	M	Issue No.	11
LM End	2.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.256239 °	38.256239 °
				-121.651546 °	-121.651546 °
DWR ID	DWR_RD0501_03_s_2014_11				
Action/Comments					
Inspector Comments: FS_ID:18945					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to determine owner of structure. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 16-inch steel pipe through the levee, 3.3 feet below the crown. Gate valve and switch box on landward slope. Pipe exposed on both slopes. (USACE-1959) Riprap on waterward side. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.70).					
FS Date: 6/7/2013					

Photo 1 of 1 : UCIP_1743.jpg



Overview of landward side. Pump stations, pipe section, positive closure device at landward toe.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	2.60	Rating **	M	Issue No.	3
LM End	2.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.257445 °	38.258759 °
				-121.651437 °	-121.651449 °
DWR ID	DWR_RD0501_03_s_2012_3				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.61	Rating **	M	Issue No.	9
LM End	2.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.256764 °	38.257435 °
				-121.651516 °	-121.651498 °
DWR ID	DWR_RD0501_03_f_2012_9				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.66	Rating **	M	Issue No.	4
LM End	2.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.258066 °	38.259805 °
				-121.651476 °	-121.651380 °
DWR ID	DWR_RD0501_03_s_2012_4				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Unsatisfactory wild growth on waterside shoulder and slope.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	2.85	Rating **	M	Issue No.	130
LM End	3.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.260118 °	38.262839 °
				-121.651351 °	-121.647722 °
DWR ID	DWR_RD0501_03_s _ 2014_130				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	3.58	Rating **	M	Issue No.	12
LM End	3.58	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.266187 °	38.266187 °
				-121.641909 °	-121.641909 °
DWR ID	DWR_RD0501_03_s _ 2014_12				
Action/Comments					
Inspector Comments: FS_ID:19661					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to find owner of crossing and determine if permit number is available. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 5.0 feet below the crown. Pump on pile structure in stream. Service pole on landward slope. Concrete standpipe at landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.80).					
FS Date: 6/7/2013					

Photo 1 of 1 : UCIP_1988.jpg



View of waterward side. Dense vegetation throughout waterward side.
Walkway visible and support piles.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	3.59	Rating **	M	Issue No.	131
LM End	3.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.266248 °	38.267316 °
				-121.641745 °	-121.640869 °
DWR ID	DWR_RD0501_03_f_2013_131				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	3.62	Rating **	M	Issue No.	46
LM End	3.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.266655 °	38.270148 °
				-121.641495 °	-121.641530 °
DWR ID	DWR_RD0501_03_s_2012_46				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	3.62	Rating **	M	Issue No.	15
LM End	3.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.266666 °	38.266857 °
				-121.641475 °	-121.641280 °
DWR ID	DWR_RD0501_03_s_2012_15				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	3.69	Rating **	M	Issue No.	14
LM End	3.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.267490 °	38.267490 °
				-121.640749 °	-121.640749 °
DWR ID	DWR_RD0501_03_s_2014_14				
Action/Comments					
Inspector Comments: FS_ID:18948					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Crossing appears abandoned--wooden platform structure appears to be abandoned on waterward side. Small hole underneath pipe on landward side--unable to determine cause (rodent/pipe leak) Need to find owner of crossing and properly abandon structure. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 6-inch pipe through the levee, 2.5 feet below the crown. Pump in pump house on waterward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.90).					
FS Date: 6/7/2013					

Photo 1 of 1 : UCIP_1744.jpg



Overview of waterward side with limited access to structure.

LM Start	3.69	Rating **	M	Issue No.	22
LM End	3.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.267485 °	38.267578 °
				-121.640667 °	-121.640507 °
DWR ID	DWR_RD0501_03_s_2012_22				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Wild growth has completely covered the slope on landside. The District has started removing some of this brush, more needs to be removed.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	3.71	Rating **	M	Issue No.	23
LM End	3.73	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.267642 °	38.267907 °
				-121.640452 °	-121.640327 °
DWR ID	DWR_RD0501_03_s _ 2012_23				
Action/Comments					
Building					

No Photos

LM Start	3.72	Rating **	M	Issue No.	16
LM End	3.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.267818 °	38.267818 °
				-121.640521 °	-121.640521 °
DWR ID	DWR_RD0501_03_s _ 2014_16				
Action/Comments					
Inspector Comments: FS_ID:19603					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Unable to properly inspect structure--limited access.					
Also unable to determine if structure is still in use. Levee logs indicate					
this crossing is abandoned. If structre is no longer used-how to prevent					
water from flowing through levee during flood season. If structure no					
longer in use owner will need to remove structure per CVFPB Title 23					
requirements.					
FIELD_STRUCT_DESC: Abandoned 5.5 x 5.5 foot concrete tunnel					
through the levee, 6.5 feet below the crown.					
FS Date: 6/7/2013					

Photo 1 of 1 : UCIP_1883.jpg



Concrete box structure located on waterward side near crown hinge point.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	3.75	Rating **	M	Issue No.	18
LM End	3.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.268278 °	38.268278 °
				-121.640377 °	-121.640377 °
DWR ID	DWR_RD0501_03_s_2014_18				

Action/Comments

Inspector Comments: FS_ID:19662

EP_NO: N/A

Repair Type:

Crossing Status:

UCIP Comments: Need to abandon structure properly--contact owner. Also if crossing is still in use--recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.

FIELD_STRUCT_DESC: 36-inch pipe through the levee, 5.0 feet below the crown. Grain loading auger sleeved through the pipe. Grain loading system on platform in channel. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.00). FS Date: 6/7/2013

Photo 1 of 1 : UCIP_1990.jpg



Reminiscence of grain loading auger located on waterward slope.

LM Start	3.77	Rating **	M	Issue No.	19
LM End	3.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.268570 °	38.268570 °
				-121.640408 °	-121.640408 °
DWR ID	DWR RD0501 03 s 2014 19				

Action/Comments

Inspector Comments: FS_ID:19663

EP_NO: N/A

Repair Type:

Crossing Status:

UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.

FIELD_STRUCT_DESC: 6-inch pipe through the levee, 2.5 feet below the crown. Pump in pump house on waterward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.00). FS Date: 6/7/2013

Photo 1 of 1 : UCIP_1995.jpg



View of landward side. Pipe visible.

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	3.79	Rating **	M	Issue No.	17
LM End	4.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.268859 °	38.280924 °
				-121.640524 °	-121.640725 °
DWR ID	DWR_RD0501_03_s _ 2012_17				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: The top section has been mowed. The district said they will come back and do the bottom.					

No Photos

LM Start	3.79	Rating **	M	Issue No.	132
LM End	4.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.268970 °	38.278174 °
				-121.640591 °	-121.637885 °
DWR ID	DWR_RD0501_03_f_2013_132				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	4.06	Rating **	M	Issue No.	47
LM End	4.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.272307 °	38.273723 °
				-121.641668 °	-121.641085 °
DWR ID	DWR_RD0501_03_s _ 2012_47				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	4.22	Rating **	M	Issue No.	25
LM End	4.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.274602 °	38.275275 °
				-121.640972 °	-121.639817 °
DWR ID	DWR_RD0501_03_f_2012_25				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	4.39	Rating **	M	Issue No.	20
LM End	4.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.275843 °	38.275843 °
				-121.638698 °	-121.638698 °
DWR ID	DWR_RD0501_03_s_2014_20				
Action/Comments					
Inspector Comments: FS_ID:19664 EP_NO: N/A Repair Type: Crossing Status: UCIP Comments: Damage to levee shoulder. Crossing appears to be still be in use--need to contact owner to inform about maintenance issues. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 24-inch pipe through the levee, 6.5 feet below the crown. Cutoff wall around pipe at waterward shoulder. Siphon breaker on apex of pipe at landward shoulder. Pump in pump house on landward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.60). 18-inch steel pipe sleeved through the 24-inch pipe under Permit No. 2496 (1957). Annular gap grouted. FS Date: 6/7/2013					

Photo 1 of 1 : UCIP_2001.jpg



View of landward side. Dry vegetation covers landward slope. Pump system located on landward slope.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	4.57	Rating **	M	Issue No.	133
LM End	5.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.278259 °	38.287265 °
				-121.637938 °	-121.643761 °
DWR ID	DWR_RD0501_03_f_2013_133				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	4.75	Rating **	M	Issue No.	26
LM End	4.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.279889 °	38.280865 °
				-121.640228 °	-121.640726 °
DWR ID	DWR_RD0501_03_f_2012_26				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	4.84	Rating **	M	Issue No.	21
LM End	4.84	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.281025 °	38.281025 °
				-121.640894 °	-121.640894 °
DWR ID	DWR_RD0501_03_s_2014_21				
Action/Comments					

Inspector Comments: FS_ID:19665

EP_NO: N/A

Repair Type:

Crossing Status:

UCIP Comments: --Contact owner--Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Walkway or siphon breaker not found.

FIELD_STRUCT_DESC: 12-inch concrete pipe through the levee, 2.5 feet below the crown. Cutoff wall around pipe at center of levee. Siphon breaker on apex of pipe at shoulder. Pump on pile structure in stream. Walkway access to pump. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.10). FS Date: 6/7/2013

Photo 1 of 1 : UCIP_2003.jpg



View of landward side. Power source and control box on landward side.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	5.51	Rating **	M	Issue No.	24
LM End	5.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.288936 °	38.288936 °
				-121.644171 °	-121.644171 °
DWR ID	DWR_RD0501_03_s_2014_24				
Action/Comments					
Inspector Comments: FS_ID:19666					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to find owner and permit number authorizing work. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 12-inch pipe through the levee, 3.0 feet below the crown. Pump on pile structure in stream.					
FS Date: 6/7/2013					

Photo 1 of 1 : UCIP_2004.jpg



View of pipe on landward side. Dry vegetation covers landward slope.

LM Start	5.57	Rating **	M	Issue No.	27
LM End	5.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.289092 °	38.289662 °
				-121.643378 °	-121.640412 °
DWR ID	DWR_RD0501_03_s_2012_27				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	6.43	Rating **	M	Issue No.	6
LM End	6.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.290750 °	38.290268 °
				-121.628772 °	-121.627285 °
DWR ID	DWR_RD0501_03_s _ 2012_6				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	6.50	Rating **	M	Issue No.	29
LM End	6.50	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.290373 °	38.290373 °
				-121.627633 °	-121.627633 °
DWR ID	DWR_RD0501_03_s _ 2014_29				
Action/Comments					
Inspector Comments: FS_ID:19667					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Crossing seems abandoned. Horizontal and vertical cracks present on stand pipe located on landward side. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 6.0 feet below the crown. 2-inch conduit line through levee. Pump and gate valve on waterward slope. Pipe exposed on landward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.90).					
FS Date: 6/13/2013					

Photo 1 of 1 : UCIP_2011.jpg



View of waterward side. Dense vegetation along levee slope.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	6.51	Rating **	M	Issue No.	30
LM End	6.51	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.290346 °	38.290346 °
				-121.627419 °	-121.627419 °
DWR ID	DWR_RD0501_03_s_2014_30				

Action/Comments

Inspector Comments: FS_ID:19668

EP_NO: N/A

Repair Type:

Crossing Status:

UCIP Comments: Crossing was operating during inspection; Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.

FIELD_STRUCT_DESC: 1 of 2: 30-inch steel pipe through the levee, 9.5 feet below the crown. Cutoff wall around pipe at center of levee. Siphon breaker at landward slope. Primer tanks on landward slope. Pipe exposed on both slopes. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.90). Section of pipe between shoulders removed and replaced with 30-inch steel pipe under Permit No. 2497 (1959).
FS Date: 6/13/2013

Photo 1 of 1 : UCIP_2015.jpg



Overview of crossing located on landward side.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	6.52	Rating **	M	Issue No.	31
LM End	6.52	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.290337 °	38.290337 °
				-121.627362 °	-121.627362 °
DWR ID	DWR RD0501 03 s 2014 31				

Action/Comments					
Inspector Comments: FS_ID:19670					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. If crossing is not being used owner will need to remove per CVFPB Title 23 requirements. Need to find pipe owner.					
FIELD_STRUCT_DESC: Abandoned 8-inch steel pipe through the levee, 2.7 feet below the crown. Siphon breaker on apex of pipe at landward shoulder. Surge chamber at landward toe. Pump near waterward toe. Pipe exposed on landward side. (USACE-1959). Concrete platform 4 feet by 3 feet located on landward toe. 3-inch conduit runs along 8-inch steel pipe. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.90). FS Date: 6/13/2013					

Photo 1 of 1 : UCIP_2024.jpg



Pipe at levee toe and enters concrete box.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	6.93	Rating **	M	Issue No.	32
LM End	6.93	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.290126 °	38.290126 °
				-121.620146 °	-121.620146 °
DWR ID	DWR_RD0501_03_s_2014_32				
Action/Comments					

Inspector Comments: FS_ID:19671

EP_NO: N/A

Repair Type:

Crossing Status:

UCIP Comments: Rodent activity near crossing (1 ft wide hole).

Walkway missing but platform remain on the waterward side. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.

FIELD_STRUCT_DESC: 12-inch pipe through the levee, 6.5 feet below the crown. Switch panel on waterward slope. Pump on pile structure in stream. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.30).

FS Date: 6/13/2013

Photo 1 of 1 : UCIP_2027.jpg



View of standpipes located on landward side.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	7.35	Rating **	M	Issue No.	34
LM End	7.35	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.287825 °	38.287825 °
				-121.613418 °	-121.613418 °
DWR ID	DWR_RD0501_03_s_2014_34				
Action/Comments					
Inspector Comments: FS_ID:19672					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Conduit visible on landward side; new gate on WS toe; filtration system with security fence; Pipe has been upgraded--need permit authorizing work and owner. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 3.7 feet below the crown. Siphon breaker and service pole on landward slope. 2-inch conduit runs parallel to 8-inch steel pipe. Pump in pump house on waterward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.00).					
FS Date: 6/13/2013					

Photo 1 of 1 : UCIP_2034.jpg



Pipe line connects to sytem located at the toe of the levee.

LM Start	7.35	Rating **	U	Issue No.	28
LM End	7.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.287750 °	38.287750 °
				-121.613335 °	-121.613335 °
DWR ID	DWR_RD0501_03_f_2012_28				
Action/Comments					
Pipe Inspector Comments: There is a pumping station, new pipe, sand filter, concrete pad, and fence within the 10 foot easement landside. Waterside new pipe pump and fence on water ward toe of levee. At this site there is an open trench on landward slope. Discovered 11-26-2012. District has not persued any further with this matter to date.					

Photo 1 of 2 : phillips_s_20140527_05954.jpg



This filtration system sits within 10-foot of the landward toe, there is no CVFPB Permit on file.

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	7.35	Rating **	U	Issue No.	28 (cont)	
LM End	7.35	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.287750 °	38.287750 °	
				-121.613335 °	-121.613335 °	
DWR ID	DWR_RD0501_03_f_2012_28					
Action/Comments						
Pipe Inspector Comments: There is a pumping station, new pipe, sand filter, concrete pad, and fence within the 10 foot easement landside. Waterside new pipe pump and fence on water ward toe of levee. At this site there is an open trench on landward slope. Discovered 11-26-2012. District has not persued any further with this matter to date.						

Photo 2 of 2 : phillips_s_20140527_05955.jpg



This photo shows the water side of the pipe and cage.

LM Start	7.65	Rating **	M	Issue No.	40
LM End	7.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.286785 °	38.286785 °
				-121.608583 °	-121.608583 °
DWR ID	DWR_RD0501_03_s_2012_40				
Action/Comments					
Landscaping					

No Photos

LM Start	7.67	Rating **	M	Issue No.	33
LM End	7.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.286653 °	38.286342 °
				-121.608398 °	-121.608183 °
DWR ID	DWR_RD0501_03_s_2012_33				
Action/Comments					
Landscaping					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	7.71	Rating **	M	Issue No.	35
LM End	7.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.286134 °	38.286134 °
				-121.607920 °	-121.607920 °
DWR ID	DWR_RD0501_03_s_2014_35				

Action/Comments					
Inspector Comments: FS_ID:19673					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Abandoned section of pipe located on waterward berm. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 2.7 feet below the crown. Pump in pump house at landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.20).					
FS Date: 6/13/2013					

Photo 1 of 1 : UCIP_2039.jpg



Side view of crossing on landward side. Exposed levee section along landward slope.

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/02/2014 04/02/2014	Herman Phillips

LM Start	7.72	Rating **	M	Issue No.	36
LM End	7.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.286153 °	38.286153 °
				-121.607959 °	-121.607959 °
DWR ID	DWR_RD0501_03_s_2014_36				
Action/Comments					

Inspector Comments: FS_ID:19623

EP_NO: 11812

Repair Type:

Crossing Status:

UCIP Comments: Cut open levee on LS slope 8 foot wide--repair work needed. Abandoned pump on waterward berm. Dense vegetation--Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances on waterward side.

FIELD_STRUCT_DESC: 12-inch steel pipe and 1.25-inch electrical conduit through the levee, both 3.0 feet below the crown. Cutoff wall around pipe and conduit at center of levee. Siphon breaker on apex of pipe at landward shoulder. Slant pump on waterward slope. Discharge structure at landward toe. Rock revetment on waterward slope. (Permit No. 11812-1976)

FS Date: 6/7/2013

Photo 1 of 1 : UCIP_1894.jpg



Damage metal, concrete, and siphon breaker stand pipe remain on landward shoulder. 8-foot wide damage to levee.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 0501 Ryer Island

Waterway			Bank	Unit Miles
Unit No. 04 Sutter Slough			Right	2.33
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/02/2014 - 04/02/2014			
DWR Inspector	Herman Phillips			
Accompanied By	Nicolas Zepeda RD 501			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.33	04/02/2014 04/02/2014	Herman Phillips

LM Start	0.00	Rating **	M	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.285591 °	38.285591 °
				-121.606317 °	-121.606317 °
DWR ID	DWR_RD0501_04_s_2012_5				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : phillips_s_20140527_05956.jpg



Unit 4 looking downstream from levee mile 0.00.

LM Start	0.01	Rating **	M	Issue No.	3
LM End	0.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.285529 °	38.285074 °
				-121.606258 °	-121.605489 °
DWR ID	DWR_RD0501_04_f_2012_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.02	Rating **	M	Issue No.	25
LM End	0.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254025 °	38.254025 °
				-121.601752 °	-121.601752 °
DWR ID	DWR_RD0501_04_s_2012_25				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.33	04/02/2014 04/02/2014	Herman Phillips

LM Start	0.52	Rating **	M	Issue No.	23
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.279438 °	38.276146 °
				-121.601371 °	-121.602005 °
DWR ID	DWR_RD0501_04_s_2014_23				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.56	Rating **	M	Issue No.	2
LM End	0.56	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.278848 °	38.278848 °
				-121.601216 °	-121.601216 °
DWR ID	DWR_RD0501_04_s_2014_2				
Action/Comments					
Inspector Comments: FS_ID:19069					
EP_NO: 2446					
Repair Type:					
Crossing Status:					
UCIP Comments: Cracks visible on levee crown could be associated with pipe vibration or settlement. Burrow activity on landward side. Recommend removing vegetation along pipe alignment on landward side to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 10-inch iron pipe through the levee, 3.5 feet below the crown. Cutoff wall around pipe at landward shoulder. Slant pump and pump house on waterward slope. Concrete standpipe and power pole at landward toe. Service pole on landward slope. Pipe exposed on both slopes. (Permit No. 2446-1957) Section of pipe under levee crown, between both shoulders, was removed and replaced with a 10-inch steel pipe under Permit No. 18135 (2006). Two crossings nearby 10-inch pipe and 8-inch pipe crossings are approximately 5 feet apart.					
FS Date: 6/7/2013					

Photo 1 of 1 : UCIP_1759.jpg



Slant pump located on waterward side. 10 inch pipe connects at an angle to tar coated pipe.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.33	04/02/2014 04/02/2014	Herman Phillips

LM Start	0.56	Rating **	M	Issue No.	6
LM End	0.56	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.278831 °	38.278831 °
				-121.601213 °	-121.601213 °
DWR ID	DWR_RD0501_04_s_2014_6				
Action/Comments					
Inspector Comments: FS_ID:19674					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Permit documents that pipe does not appear to be properly grouted. Crossing needs to be properly abandoned per CVFPB Title 23--need to find owner. Also recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: Abandoned 8-inch steel pipe through the levee, 6.0 feet below the crown. Pump on waterward side. Steel plate welded on waterward end. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.60). Pipe was abandoned under Permit No. 2446 (1957). 10-inch steel pipe is located approximately 5 feet downstream.					
FS Date: 6/13/2013					

Photo 1 of 1 : UCIP_2044.jpg



Pump house is associated with abandoned 8 inch pipe.

LM Start	0.78	Rating **	M	Issue No.	64
LM End	0.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.275833 °	38.275833 °
				-121.602107 °	-121.602107 °
DWR ID	DWR_RD0501_04_f_2013_64				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.33	04/02/2014 04/02/2014	Herman Phillips

LM Start	0.79	Rating **	M	Issue No.	4
LM End	0.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.275540 °	38.275473 °
				-121.602223 °	-121.602248 °
DWR ID	DWR_RD0501_04_s_2012_4				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.82	Rating **	U	Issue No.	65
LM End	0.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.275228 °	38.274872 °
				-121.602333 °	-121.602546 °
DWR ID	DWR_RD0501_04_f_2013_65				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : phillips_s_20140527_05957.jpg



Wild growth on the landside slope and toe.

LM Start	0.86	Rating **	M	Issue No.	10
LM End	0.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.274747 °	38.274718 °
				-121.602629 °	-121.602639 °
DWR ID	DWR_RD0501_04_f_2012_10				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.33	04/02/2014 04/02/2014	Herman Phillips

LM Start	1.01	Rating **	M	Issue No.	7
LM End	1.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.272733 °	38.272700 °
				-121.603940 °	-121.603953 °
DWR ID	DWR_RD0501_04_s _ 2012_7				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.06	Rating **	M	Issue No.	9
LM End	1.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.272053 °	38.272053 °
				-121.604176 °	-121.604176 °
DWR ID	DWR_RD0501_04_s _ 2014_9				
Action/Comments					
Inspector Comments: FS_ID:19624					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe has deteriorated-holes present on landward side. Owner needs to be abandon properly. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtances.					
FIELD_STRUCT_DESC: Abandoned 8-inch steel pipe through the levee, 2.7 feet below the crown. Pump on waterward side. Steel plate welded on waterward end. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.10).					
FS Date: 6/13/2013					

Photo 1 of 1 : UCIP_1898.jpg



View of crossing on landward side.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

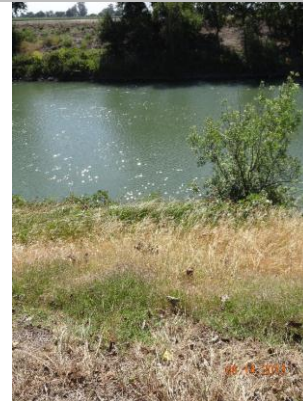
Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.33	04/02/2014 04/02/2014	Herman Phillips

LM Start	1.11	Rating **	M	Issue No.	12
LM End	1.11	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.271400 °	38.271400 °
				-121.604368 °	-121.604368 °
DWR ID	DWR_RD0501_04_s_2014_12				
Action/Comments					
Inspector Comments: FS_ID:19675					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Unable to determine if the pipe goes through the					
levee; is this an authorized encroachment?--need As-Built drawings;					
Need owner information.					
FIELD_STRUCT_DESC: 1.5-inch conduit through the levee, 2.0 feet					
below the crown. Pole and anchor on landward slope.					
FS Date: 6/13/2013					

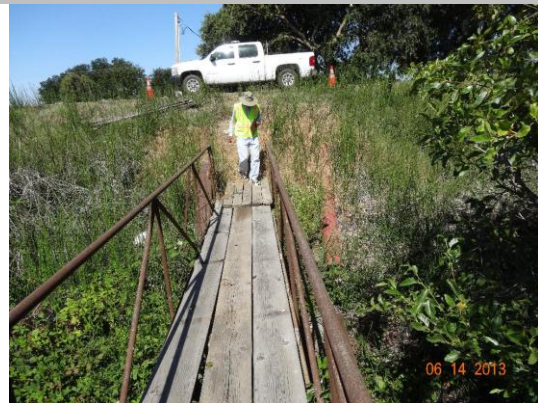
Photo 1 of 1 : UCIP_2050.jpg



View of waterward side.

LM Start	1.20	Rating **	M	Issue No.	15
LM End	1.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.270171 °	38.270171 °
				-121.604403 °	-121.604403 °
DWR ID	DWR_RD0501_04_s_2014_15				
Action/Comments					
Inspector Comments: FS_ID:19676					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Abandoned pipe visible on waterward side--could be the pipe that was supposed to be removed under permit number 13983 (1985). Also present is an abandoned 1.5 inch conduit along the 8 inch pipe. Need to coordinate with owner.					
FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 6.4 feet below the crown. Pump on pile structure in stream. Service pole on landward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.30). Pipe should have been removed and replaced with 12-inch pipe under Permit No. 13983 (1985).					
FS Date: 6/13/2013					

Photo 1 of 1 : UCIP_2055.jpg



Abandoned pipe to the right of walkway.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.33	04/02/2014 04/02/2014	Herman Phillips

LM Start	1.20	Rating **	M	Issue No.	16
LM End	1.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.270156 °	38.270156 °
				-121.604403 °	-121.604403 °
DWR ID	DWR_RD0501_04_s_2014_16				
Action/Comments					

Inspector Comments: FS_ID:19109

EP_NO: 13983

Repair Type:

Crossing Status:

UCIP Comments: Abandoned pipe was to be removed during the installation of new 12-inch pipe crossing. Need to contact with pipe owner. SEE CROSSING immediately downstream at levee mile 1.197. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 5.0 feet below the crown. Cutoff wall around pipe at center of levee. Siphon breaker on apex of pipe at landward shoulder. Pump on pile structure in stream. Service pole on landward slope. Pipe connects to 10-inch steel pipe along the landward slope at the shoulder, and similarly to pre-existing 8-inch pipe on the watereward side. (Permit No. 13983-1985) FS Date: 6/13/2013

Photo 1 of 1 : UCIP_1784.jpg



View of waterward side--walkway, pump, conduit, and pipe.

LM Start	1.21	Rating **	M	Issue No.	1
LM End	1.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.263086 °	38.268178 °
				121.601883 °	121.603763 °
DWR ID	DWR_RD0501_04_s_2012_1				
Action/Comments					

Remove the wild growth other than native grasses from the levee slopes.

Inspector Comments: District needs to remove the wild berries from the levee section.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.33	04/02/2014 04/02/2014	Herman Phillips

LM Start	1.50	Rating **	M	Issue No.	26
LM End	1.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.265997 °	38.265233 °
				-121.602758 °	-121.602510 °
DWR ID	DWR_RD0501_04_s _ 2012_26				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.77	Rating **	M	Issue No.	17
LM End	1.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.262235 °	38.262235 °
				-121.601705 °	-121.601705 °
DWR ID	DWR_RD0501_04_s _ 2014_17				
Action/Comments					
Inspector Comments: FS_ID:19677					
EP_NO: 16906					
Repair Type:					
Crossing Status:					
UCIP Comments: Crossing was running during site inspection. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 21.2 feet below the crown. Pump on pile structure in stream. Concrete standpipe on landward side. Pipe is exposed on landward slope. (Permit No. 16906-1999) Two conduits present 3 inch conduit disconnected and 1.5 inch electrical conduit appears to be active.					
FS Date: 6/13/2013					

Photo 1 of 1 : UCIP_2057.jpg



View of waterward side--pipe, catwalk, pump, and conduit.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.33	04/02/2014 04/02/2014	Herman Phillips

LM Start	1.84	Rating **	U	Issue No.	14
LM End	1.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.261142 °	38.260653 °
				-121.601542 °	-121.601435 °
DWR ID	DWR_RD0501_04_f_2013_14				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : phillips_s_20140527_05958.jpg



Wild growth on landward slope and toe.

LM Start	1.84	Rating **	M	Issue No.	8
LM End	1.85	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.261283 °	38.261032 °
				-121.601488 °	-121.601635 °
DWR ID	DWR_RD0501_04_s_2012_8				
Action/Comments					
Landscaping					

No Photos

LM Start	1.85	Rating **	M	Issue No.	66
LM End	2.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.261029 °	°
				-121.601541 °	°
DWR ID	DWR_RD0501_04_f_2013_66				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

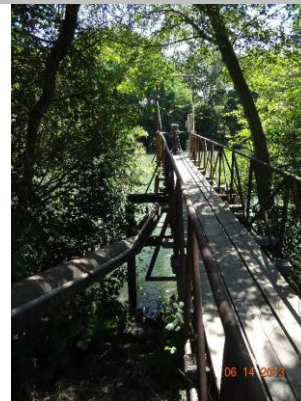
Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.33	04/02/2014 04/02/2014	Herman Phillips

LM Start	1.90	Rating **	M	Issue No.	20
LM End	1.90	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.260407 °	38.260407 °
				-121.601365 °	-121.601365 °
DWR ID	DWR_RD0501_04_s_2014_20				
Action/Comments					
Inspector Comments: FS_ID:19678					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Unable to verify if comment from historical levee log (1980) indicating pipe was leaking is true. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 8.0 feet below the crown. 2 inch conduit goes through levee. Siphon breaker on landward slope. Pump on pile structure in stream. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.0).					
FS Date: 6/13/2013					

Photo 1 of 1 : UCIP_2065.jpg



Waterward side--catwalk, conduit line, pump, and support piles.

LM Start	2.07	Rating **	M	Issue No.	18
LM End	2.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.257982 °	38.257982 °
				-121.600807 °	-121.600807 °
DWR ID	DWR_RD0501_04_f_2012_18				
Action/Comments					
Repair slope instability.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.33	04/02/2014 04/02/2014	Herman Phillips

LM Start	2.07	Rating **	M	Issue No.	19
LM End	2.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.257982 °	38.257982 °
				-121.600806 °	-121.600806 °
DWR ID	DWR_RD0501_04_f_2012_19				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	2.18	Rating **	M	Issue No.	13
LM End	2.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.256275 °	38.255990 °
				-121.600933 °	-121.601015 °
DWR ID	DWR_RD0501_04_s_2012_13				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.33	04/02/2014 04/02/2014	Herman Phillips

LM Start	2.19	Rating **	M	Issue No.	21
LM End	2.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.256225 °	38.256225 °
				-121.600903 °	-121.600903 °
DWR ID	DWR_RD0501_04_s_2014_21				
Action/Comments					
Inspector Comments: FS_ID:19606					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Broken concrete box on landward slope. Disturbed soil on waterward slope--unable to determine section disturbed. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterwar slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: Abandoned 6-inch and working 6-inch steel pipes through the levee, 2.5 and 5.0 feet below the crown, respectively. 1.5 inch electrical conduit through levee. Pump in pump house on waterward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.30). Pipes are within 5 feet.					
FS Date: 6/13/2013					

Photo 1 of 1 : UCIP_1887.jpg



Crossing is split in multiple directions. Debris scattered near crossing.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.33	04/02/2014 04/02/2014	Herman Phillips

LM Start	2.33	Rating **	M	Issue No.	22
LM End	2.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.254038 °	38.254038 °
				-121.601869 °	-121.601869 °
DWR ID	DWR_RD0501_04_s_2014_22				
Action/Comments					

Inspector Comments: FS_ID:19679

EP_NO: 3635

Repair Type:

Crossing Status:

UCIP Comments: Marker missing on waterward side--need to contact owner.

FIELD_STRUCT_DESC: 2.5-inch steel conduit through the levee, 3.0 feet below the crown. Pole at landward toe. Rock revetment on waterward slope. (Permit No. 3635-1962) Abandoned and replaced by 3-inch conduit under Permit No. 5412 (1967).

FS Date: 6/13/2013

Photo 1 of 1 : UCIP_2069.jpg



Marker visible on landward side.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement